

Work Order ID 51285

August 13, 2009 2:18:06 PM



Page 1

Item ID: D119-756-011

Accept



Setup Start



Revision ID: E

Stop



Item Name: Clamp

Start Date: 08/13/2009 Start Qty: 2.00



Cust Item ID:

Required Date: 08/14/2009 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan: *mf*

Date: *09-08-13* Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

N/A

Rev C

100

0.00



DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile & type labels per PPPD119-756-011

CHG001

for CL 09/08/05
Sa/08/17

(P10) ->

110

Pick Kit

0.00



Packaging

Packaging

Memo

0.00

X2 MP 09/08/17

120

QC4- 100% Inspect kits for completeness

0.00



QC

Quality Control

Memo

0.00


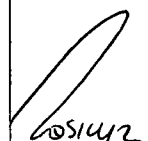


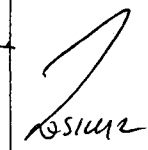
=> Sa/08/17

(P10) ->

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: D119-756-011 PAR #: _____ Fault Category: _____ NCR: Yes ☐ No ☒ DQA: ll Date: 09.08.20

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR: 51285		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
9/6/17	# 110	Parts missing from Pick sheet R.C. not correctly adjusted from change over from cast to intuitive		ADD missing parts to kit	MD 09/08/17	S 09/08/17		S 09/08/17
				AN4-22A Bolts Qty x2 B# 108483				
				AN4-24A Bolts Qty x2 B# 112082				
				Adjust work order #130m to Prevent from happening again Also ADD copy of new Bom for Ref	MD 09/08/17	S 09/08/17		S 09/08/17

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51285

Parent Item: D119-756-011RevE

Parent Item Name: Clamp

Comments:

Start Date: 08/13/2009

Required Date: 08/14/2009

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2617-3RevD2		Manufactured	No			110	Each	42.0000	4.0000			

Bushing

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 2

48613 6

51103 -4

Main Warehouse

ST39 40

51103 40

4 x 48613 MD 09/08/14

D2617-5RevD2

Manufactured No

110

Each

72.0000

8.0000

Spacer

Warehouse Loc Qty Loc Code
Location

OFFSHORE

FG 10

31756 10

Main Warehouse

ST 62

48186 41

51117 21

Main Warehouse

ST39 21

8 x 48186 MD 09/08/14

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51285

Parent Item: D119-756-011RevE

Parent Item Name: Clamp

Comments:

Start Date: 08/13/2009

Required Date: 08/14/2009

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2732RevB1		Manufactured	No			110	f	239.0974	2.2455			
Rubber Extrusion												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	239.0974	
38509	24.62	
43118	214.4774	

1- cut 4 pieces at 3.20" as per dwg (D2732-032)

D3789-1RevA



Clamp

D3789-3RevA



Clamp

D3789-5RevA



Clamp

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST463	5	
50527	5	
Main Warehouse		
ST467	5	
51195	5	

4x43118 MO 09/08/17

2x51193 MO 09/08/14

2x51194 MO 09/08/14

2x51195 MO 09/08/14

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51285



Parent Item: D119-756-011RevE



Parent Item Name: Clamp

Start Date: 08/13/2009

Required Date: 08/14/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3789-7RevA	x1	Manufactured	No				Each	13.0000	2.0000			

Clamp

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST467

13

51196

13

AN960JD416

x4

Purchased

No

110

Each

10,742.00

8.0000

2X 51196 mo 09/08/14

Washer

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

10742

102929

2

105906

4

107321

23

107939

114

108161

553

108827

31

109249

69

110523

340

111279

101

111916

4618

112314

4887

16941

0

8X 111916 mo 09/08/14

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51285



Parent Item: D119-756-011RevE



Parent Item Name: Clamp

Start Date: 08/13/2009

Required Date: 08/14/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21042L4	64	Purchased	No			110	Each	9,570.000	8.0000			



S
Nut

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	9570	
107499	5	
110507	1528	
111827	5996	
112314	2000	
15924	0	
8182	41	

8x 110507 MD 09/10/08/14

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Status	Item ID	Rev	Name	Start Date	Quantity Per	UOM	Scrap %	Route Seq ID	Sort	Date Last Mod	Add Date	Comments
✓	D2617-3	D2	Bushing	01/01/08	2.0000	Each	0 %	110	1	08/10/09 11:18...	08/10/09	
✓	D2617-5	D2	Spacer	01/01/08	4.0000	Each	0 %	110	2	08/10/09 11:18...	08/10/09	
✓	D2732	B1	Rubber Extrusion	01/01/08	1.0666	f	5 %	110	3	08/10/09 11:25...	08/10/09	<u>A</u>
✓	D3789-1	A	Clamp	08/10/09	1.0000	Each	0 %	110	4	08/10/09 11:25...	08/10/09	
✓	D3789-3	A	Clamp	08/10/09	1.0000	Each	0 %	110	5	08/10/09 11:25...	08/10/09	
✓	D3789-5	A	Clamp	08/10/09	1.0000	Each	0 %	110	6	08/10/09 11:25...	08/10/09	
✓	D3789-7	A	Clamp	08/10/09	1.0000	Each	0 %	110	7	08/10/09 11:25...	08/10/09	
✓	AN960JD416		Washer	01/01/08	4.0000	Each	0 %	110	8	08/10/09 11:25...	08/10/09	
✓	MS21042L4		Nut	01/01/08	4.0000	Each	0 %	110	10	08/10/09 11:25...	08/10/09	
✓	AN960JD416		Bolt	08/17/09	2.0000	Each	0 %	110	11		08/17/09	
✓	AN960JD416		Bolt	08/17/09	2.0000	Each	0 %	110	12		08/17/09	

7.0 PARTS LIST

Qty -041	Qty -011	Qty -013	Part Number	Description
X			D119-756-041	HELI-UTILITY-BASKET™
1	X		D119-756-011	CLAMP KIT
		X	D119-756-013	QUICK RELEASE KIT
2			D2022-101	* SPACER
1			D2258-176	PLACARD (A119)
1			D2258-146	PLACARD (AW119MKII)
1			D2332-041	* PROP ASSEMBLY
1			D2530	* HANDLE ASSEMBLY
2			D2535	* SPRING
2			D2537	* BUSHING
2	2		D2617-3	BUSHING
4	4		D2617-5	BUSHING
	4		D2732-032	RUBBER CUSHION
2			D2931	* BUMPER
	1		D3789-1	CLAMP
	1		D3789-3	CLAMP
	1		D3789-5	CLAMP
	1		D3789-7	CLAMP
1			D3515-041	* BASKET LID ASSEMBLY
1			D3516-041	* BASKET BASE ASSEMBLY
2			D3516-11	CLEVIS
2			D3517-1	STRUT
2			D3518-041	STRUT ASSEMBLY
2			D3519-1	* PLACARD
2			D3520-1	SPACER
2			D3757-1	* BLANKING PLATE

* indicates that part is pre-assembled on basket for customer

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Qty -041	Qty -011	Qty -013	Part Number	Description
6			AN3-10A	* BOLT
2			AN3-16A	* BOLT
2			AN4-7A	* BOLT
2			AN4-13A	BOLT
6			AN4-15A	BOLT
2			AN4-20A	BOLT
1	2		AN4-22A —	* BOLT
1	2		AN4-24A —	* BOLT
2			AN5-10A	BOLT
4			AN5-17A	* BOLT
2			AN960JD416	* WASHER
40	4		AN960JD416	WASHER
2			AN960JD416L	* WASHER
4			AN960JD416L	WASHER
4			AN960JD516	* WASHER
2			AN960JD516L	WASHER
2			AN960JD8	* WASHER
12			AN960JD10	* WASHER
4			AN970-4	* WASHER
		4	BLRS-020	POSITIVE LOCKING QUICK RELEASE PIN
2			MS20600AD4W3	* RIVET
8			MS21042L3	* NUT (OR MS21042-3)
4			MS21042L4	* NUT (OR MS21042-4)
10	4		MS21042L4	NUT (OR MS21042-4)
4			MS21042L5	* NUT (OR MS21042-5)

* indicates that part is pre-assembled on basket for customer

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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-756 REV. D OR EARLIER

REF CANADIAN STC: SH06-39

FAA STC: SR02364NY

EASA STC: EASA.IM.R.S.01289

DART AEROSPACE LTD (DART) HAS DISCOVERED THAT WHEN THE D119-756-041 BASKET KIT IS INSTALLED ON A119 AIRCRAFT PER IIN-D119-756 REV. D OR EARLIER, THE LOAD IN THE BASKET IS ABOVE 50 kgs (110 lbs) AND THE PILOT PULLS HIGH POWER, THE BASKET INSTALLATION CAN CAUSE SIGNIFICANT VIBRATION OF THE LANDING GEAR.

AS A RESULT OF THIS DISCOVERY, DART REQUIRES ALL OPERATORS WITH BASKETS INSTALLED PER IIN-D119-756 REV. D OR EARLIER TO RE-POSITION THEIR BASKET(S) PER IIN-D119-756 REV. E, BEFORE THEIR NEXT FLIGHT WITH THE BASKET. OPERATORS WILL REQUIRE THE DSI 9465-011 KIT (SEE SHEET 2 FOR KIT PARTS LIST) IN ORDER TO REPOSITION THE BASKET.

OPERATORS MUST ALSO ADOPT FMS-D119-756 Rev. B AND ICA-D119-756 REV. 2, WHICH ARE INCLUDED WITH THE DSI 9465-011 KIT. PER FMS-D119-756 Rev. B, THE LOAD LIMITS ON THE BASKET WHEN INSTALLED ON A119 AIRCRAFT HAS BEEN REDUCED FROM 220 lbs (100 kgs) TO 176 lbs (80 kgs). THEREFORE, THE D2258-220 PLACARD ON THE LID OF THE BASKET MUST BE REPLACED WITH THE D2258-176 PLACARD THAT IS INCLUDED WITH THE DSI 9465-011 KIT.


51285

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 09.06.15
CERT. NO.: SH06-39
ISSUE NO.: 1



A	NEW ISSUE	AJS	09.06.15
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	MB	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9465	SHEET 1 OF 2
APPROVED	MP	TITLE	SCALE
DE APPR.		BASKET RE-POSITIONING KIT	NTS
DATE	09.06.15	COPYRIGHT © 2009 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

PARTS LIST:

ITEM	QTY -011	PART NUMBER	DESCRIPTION
	X	DSI 9465-011	BASKET RE-POSITIONING KIT
1	1	D2258-176	PLACARD
2	1	D3789-1	CLAMP
3	1	D3789-3	CLAMP
4	1	D3789-5	CLAMP
5	1	D3789-7	CLAMP
6	4	D2732-032	RUBBER CUSHIONS
11	2	AN4-22A	BOLT
12	2	AN4-24A	BOLT
13	4	MS21042L4	NUT
14	4	AN960JD416	WASHER
21	1	IIN-D119-756 REV. E	INSTALLATION INSTRUCTIONS
22	1	FMS-D119-756 REV. B	FLIGHT MANUAL SUPPLEMENT
23	1	ICA-D119-756 REV. 2	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

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CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01
APPROVED 
BY: D. SHEPHERD (DE # 02)
DATE: 09.06.15
CERT. NO.: SH06-39
ISSUE NO.: 1

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	AJS	
CHECKED		DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9465 SHEET 2 OF 2
APPROVED		TITLE SCALE
DE APPR.		BASKET RE-POSITIONING KIT NTS
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